## **EAST Search History**

| Ref # | Hits | Search Query   | DBs   | Default<br>Operator | Plurals | Time Stamp          |
|-------|------|--|---|---------------------|---------|---------------------|
| S2    | 478  | (215/321).OCLS.  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT      | OR                  | OFF     | 2004/10/05<br>13:50 |
| S1    | 131  | (215/318).COLS.  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT      | OR                  | OFF     | 2004/10/06<br>08:37 |
| S3    | 678  | (215/329).COLS.  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT      | OR                  | OFF     | 2004/10/06<br>09:09 |
| S4    | 18   | (215/339).COLS.  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT      | OR                  | OFF     | 2004/10/06<br>09:10 |
| S5    | 25   | (215/336).COLS.  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT      | OR                  | OFF     | 2004/10/06<br>09:11 |
| S6    | 173  | (215/295).COLS.  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT      | OR                  | OFF     | 2004/10/06<br>09:18 |
| S7    | 511  | ((220/293) or (220/296)).<br>CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT      | OR                  | OFF     | 2004/10/06<br>12:07 |
| S8    | 104  | (220/295).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT      | OR                  | OFF     | 2004/10/06<br>12:17 |
| S9    | 380  | ((220/301) or (220/302)).<br>CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT      | OR                  | OFF     | 2004/10/06<br>12:23 |
| S10   | 1331 | (206/509).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT      | OR                  | OFF     | 2004/10/06<br>12:25 |
| S11   | 135  | (closure or cap or cover)<br>and (((wall or finish or<br>skirt) with (flex near4<br>(outward\$4 or radial\$4)))<br>same (cam\$6 or lug)) | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2004/10/06<br>12:31 |

| S12 | 510 | (closure or cap or cover)<br>and (((wall or finish or<br>skirt) with ((flex\$5 or<br>expand\$5) near4 (outward<br>\$4 or radial\$4))) same<br>(cam\$6 or lug))   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/10/06<br>13:42 |
|-----|-----|--|---|----|----|---------------------|
| S14 | 375 | (closure or cap or cover) same (((wall or finish or skirt) with ((flex\$5 or expand\$5) near4 (outward\$4 or radial\$4))) same (cam or camming or lug))  | USOCR   | OR | ON | 2004/10/06<br>13:43 |
| S13 | 573 | (closure or cap or cover)<br>and (((wall or finish or<br>skirt) with ((flex\$5 or<br>expand\$5) near4 (outward<br>\$4 or radial\$4))) same<br>(cam or camming or lug))   | USOCR   | OR | ON | 2004/10/06<br>13:43 |
| S42 | 169 | ("1153897"   "1300252"   "2148169"   "2288349"   "2540931"   "2542648"   "2626726"   "2663450"   "3122260"   "3471052"   "3516565"   "3527372"   "3603472"   "3677431"   "3679084"   "3695475"   "3698584"   "3737064"   "3768691"   "3770153"   "3792793"   "3825144"   "3826395"   "3828962"   "3841514"   "3843016"   "3891110"   "3917097"   "3924769"   "3941268"   "3944101"   "3949893"   "3951290"   "3958708"   "3984021"   "3989152"   "3984021"   "3989152"   "4117945"   "4138028"   "4270664"   "4275817"). PN. OR ("1333245"   "3986626"   "4006837"   "4117946"   "4149646"   "4351442"   "4643330"). URPN. | US-PGPUB;<br>USPAT; USOCR                               | OR | ON | 2008/10/13          |

| S43 20 | (("3,836,034") or ("4,000,825") or ("4,006,837") or ("4,117,946") or ("4,298,129") or ("4,373,633") or ("4,562,930") or ("4,709,825") or ("4,919,268") or ("5,054,617") or ("5,297,688") or ("5,339,975") or ("5,447,249") or ("5,769,255") or ("6,202,872") or ("6,477,823") or ("20020175138") or ("20020190022") or ("20030051445")).PN.  | US-PGPUB;<br>USPAT | OR | OFF | 2008/10/13<br>08:57 |
|--------|--|--------------------|----|-----|---------------------|
| S44    | (("4331249") or ("436812") or ("4576298") or ("4576296") or ("4307821") or ("4369892") or ("4991733") or ("4756857") or ("4938371") or ("4382577") or ("4303168") or ("4378892") or ("4378892") or ("4378892") or ("4403707") or ("4613052") or ("4613052") or ("4852753") or ("5314084") or ("5314084") or ("5320233") or ("5368178") or ("5927531") or ("6105801") or ("6431381") or ("20030121878") or ("20030121878") or ("4373641") or ("4373641") or ("4562930") or ("44347940") or ("4347940") or | US-PGPUB;<br>USPAT | OR | OFF | 2009/04/11          |

|        | ("4444325") or<br>("4446984") or<br>("4448320") or<br>("4497758") or<br>("14533059") or<br>("45648329") or<br>("4557393") or<br>("4566509") or<br>("4573598") or<br>("4618515") or<br>("4770306") or<br>("4796766") or<br>("4796770") or<br>("4805791")).PN.  |                    |    |     |                  |
|--------|---|--------------------|----|-----|------------------|
| S45 49 | (("4805792") or ("4813562") or ("4948001") or ("4981230") or ("4987768") or ("5330083") or ("5426912") or ("5591462") or ("6382443") or ("4275817") or ("4279350") or ("4360190") or ("4362198") or ("4362198") or ("4524877") or ("4536081") or ("4536081") or ("4601404") or ("4809884") or ("5386795") or ("5386795") or ("5386795") or ("5386795") or ("5577632") or ("6312364") or ("4433790") or ("4382521") or ("4396134") or ("4396134") or ("4396134") or ("4396134") or ("4396134") or ("44985265") or ("4904435") or ("5213223") or ("6102225") or ("6105802") or ("6105802") or ("6123231") or ("4278173") or | US-PGPUB;<br>USPAT | OR | OFF | 2009/04/11 18:32 |

|        | ("4392579") or<br>("4550862") or<br>("4627810") or<br>("4881892") or<br>("5205426") or<br>("5295603") or<br>("5341949") or<br>("5415050")).PN.   |                    |    |     |                  |
|--------|--|--------------------|----|-----|------------------|
| S46 49 | (("5775528") or ("5941422") or ("5984125") or ("5988460") or ("6119883") or ("6123236") or ("6152316") or ("3603472") or ("3580201") or ("3580201") or ("3694609") or ("3692199") or ("3697431") or ("36377431") or ("3637702") or ("3637102") or ("3637102") or ("3858739") or ("3858743") or ("3857507") or ("3857507") or ("3854617") or ("3840136") or ("3840738") or ("3840738") or ("3795338") or ("3795338") or ("4164377") or ("4163128") or ("416377") or | US-PGPUB;<br>USPAT | OR | OFF | 2009/04/11 18:34 |

|       |    | ("4281774") or                   |   |    |   |   |
|-------|----|----------------------------------|---|----|---|---|
|       |    | ("4284201")).PN.                 | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, |    | ,,,,,,,,,,                              | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, |
| 47 56 | 56 | (("4294357") or                  | US-PGPUB;                               | OR | OFF                                     | 2009/04/11                              |
|       |    | ("4299328") or                   | USPAT                                   |    |   | 18:36                                   |
|       |    | ("4306448") or                   |   |    |   |   |
|       |    | ("RE31021") or                   |   |    |   |   |
|       |    | ("4308690") or                   |   |    |   |   |
|       |    | ("4319543") or                   |   |    |   |   |
|       |    | ("4319690") or                   |   |    |   |   |
|       |    | ("4322010") or                   |   |    |   |   |
|       |    | ("4322011") or                   |   |    |   |   |
|       |    | ("4324601") or                   |   |    |   |   |
|       |    | ("4326896") or                   |   |    |   |   |
|       |    | ("4337869") or                   |   |    |   |   |
|       |    | ("4341318") or                   |   |    |   |   |
|       |    | ("4342400") or                   |   |    |   |   |
|       |    | ("4343754") or                   |   |    |   |   |
|       |    | ("4349116") or                   |   |    |   |   |
|       |    | ("4350261") or                   |   |    |   |   |
|       |    | ("4354609") or                   |   |    |   |   |
|       |    | ("4367088") or                   |   |    |   |   |
|       |    | ("4371099") or                   |   |    |   |   |
|       |    | ("4375859") or                   |   |    |   |   |
|       |    | ("4378894") or                   |   |    |   |   |
|       |    | ("4380299") or                   |   |    |   |   |
|       |    | ("4382769") or                   |   |    |   |   |
|       |    | ("4384653") or                   |   |    |   |   |
|       |    | ("4385708") or                   |   |    |   |   |
|       |    | ("4385705") or                   |   |    |   |   |
|       |    | ("4386712") or                   |   |    |   |   |
|       |    | ("4387819") or                   |   |    |   |   |
|       |    | ("4387817") or                   |   |    |   |   |
|       |    | ("4389266") or                   |   |    |   |   |
|       |    | ("4388959") or                   |   |    |   |   |
|       |    | ("4399921") or                   |   |    |   |   |
|       |    | ("4401226") or                   |   |    |   |   |
|       |    | ("4407422") or                   |   |    |   |   |
|       |    | ("4410097") or                   |   |    |   |   |
|       |    | ("4418564") or                   |   |    |   |   |
|       |    | ("4421580") or                   |   |    |   |   |
|       |    |                                  |   |    |   |   |
|       |    | ("4423822") or                   |   |    |   |   |
|       |    | ("4436212") or                   |   |    |   |   |
|       |    | ("4438856") or                   |   |    |   |   |
|       |    | ("4442063") or<br>("4452365") or |   |    |   |   |
|       |    |                                  |   |    | *************************************** |   |
|       |    | ("4454955") or                   |   |    |   |   |
|       |    | ("4463056") or                   |   |    |   |   |
|       |    | ("4471879") or                   |   |    |   |   |
|       |    | ("4473162") or                   |   |    |   |   |
|       |    | ("4484687") or                   |   |    |   |   |
|       |    | ("4485932") or                   |   |    | *************************************** |   |
|       |    | ("4487326") or                   |   |    |   |   |
|       |    | ("4487325") or                   |   |    |   |   |
|       |    | ("4490800") or                   |   |    | ****                                    |   |
|       | 1  | ("4503985") or                   |   |    |   |   |

|     |      | ("4506795") or<br>("4511051") or<br>("4511050")).PN. |           |     |     |            |
|-----|------|--|-----------|-----|-----|------------|
| S48 | 56   | (("4516684") or                                      | US-PGPUB; | OR  | OFF | 2009/04/11 |
|     |      | ("4526282") or                                       | USPAT     |     |     | 18:38      |
|     |      | ("4527701") or                                       |           |     |     |            |
|     |      | ("4530246") or                                       |           |     |     |            |
|     |      | ("4531650") or                                       |           |     |     |            |
|     |      | ("4537319") or                                       |           |     |     |            |
|     |      | ("4540101") or                                       |           |     |     |            |
|     |      | ("4542282") or                                       |           |     |     |            |
|     |      | ("4550844") or                                       |           |     |     |            |
|     |      | ("4552275") or                                       |           |     |     |            |
|     |      | ("4552328") or                                       |           |     |     |            |
|     |      | ("4560077") or                                       |           |     |     |            |
|     |      | ("4560077") or                                       |           |     |     |            |
|     |      |  |           |     |     |            |
|     | 1    | ("4573599") or                                       |           |     |     |            |
|     | 1    | ("4574966") or                                       |           |     |     |            |
|     |      | ("4579495") or                                       |           |     |     |            |
|     |      | ("RE32109") or                                       |           |     |     |            |
|     |      | ("4582207") or                                       |           |     |     |            |
|     |      | ("4583665") or                                       |           |     |     |            |
|     |      | ("4595547") or                                       |           |     |     |            |
|     |      | ("4595110") or                                       |           |     |     |            |
|     |      | ("4598835") or                                       |           | ii. |     |            |
|     |      | ("4603786") or                                       |           |     |     |            |
|     |      | ("4607757") or                                       |           |     |     |            |
|     |      | ("4608709") or                                       |           |     |     |            |
|     |      | ("4610372") or                                       |           |     |     |            |
|     |      | ("4613051") or                                       |           |     |     |            |
|     |      | ("4615916") or                                       |           |     |     |            |
|     |      | ("4620640") or                                       |           |     |     |            |
|     |      | ("4624667") or                                       |           |     |     |            |
|     |      | ("4625889") or                                       |           |     |     |            |
|     |      | ("4628669") or                                       |           |     |     |            |
|     |      | ("4629083") or                                       |           |     |     |            |
|     |      | ("4632265") or                                       |           |     |     |            |
|     |      | ("4759454") or                                       |           |     |     |            |
|     |      | ("4759456") or                                       |           |     |     |            |
|     |      | ("4768682") or                                       |           |     |     |            |
|     |      | ("4770309") or                                       |           |     |     |            |
|     |      | ("4771902") or                                       |           |     |     |            |
|     |      | ("4771923") or                                       |           |     |     |            |
|     |      | ("4778081") or                                       |           |     |     |            |
|     |      | ("4784279") or                                       |           |     |     |            |
|     | 1111 | ("4785963") or                                       |           |     |     |            |
|     |      | ("4793506") or                                       |           |     |     |            |
|     |      | ("4798303") or                                       |           |     |     |            |
|     |      | ("4801030") or                                       |           |     |     |            |
|     |      | ("4801031") or                                       |           |     |     |            |
|     |      | ("4801054") or                                       |           |     |     |            |
|     |      | ("4807770") or                                       |           |     |     |            |
|     |      | ("4807771") or                                       |           |     |     |            |
|     |      | ("4813557") or                                       |           |     |     |            |
|     |      | ("4821898") or                                       |           |     |     |            |
|     | \$   | 1000 / 0.  |           | i   |     | <b>!!</b>  |

|    |  | ("4821899") or<br>("4823967") or<br>("4832219") or<br>("4842637")).PN. |           |    |      |            |
|----|--|--|-----------|----|------|------------|
| 49 | 41                                     | (("4846361") or  | US-PGPUB; | OR | OFF  | 2009/04/11 |
|    |  | ("4847129") or   | USPAT     |    |      | 18:39      |
|    |  | ("4848614") or   |           |    |      |            |
|    |  | ("4848615") or   |           |    |      |            |
|    | anna anna anna anna anna anna anna ann | ("4856667") or   |           | i  |      |            |
|    |  | ("4863030") or   |           |    |      |            |
|    |  | ("4863046") or   |           |    |      |            |
|    |  | ("4863050") or   |           |    |      |            |
|    | anna anna anna anna anna anna anna ann | ("4863067") or   |           |    |      |            |
|    |  | ("4872304") or   |           |    |      |            |
|    |  | ("4872573") or   |           |    |      |            |
|    |  | ("4878589") or   |           |    |      |            |
|    | anna a                                 | ("4878604") or   |           |    |      |            |
|    |  | ("4886947") or   |           |    |      |            |
|    |  | ("4910921") or   |           |    |      |            |
|    |  | ("4917268") or   |           |    |      |            |
|    | anna.                                  | ("4917269") or   |           |    |      |            |
|    |  | ("4919285") or   |           |    |      |            |
|    |  | ("4925617") or   |           |    |      |            |
|    |  | ("4927680") or   |           |    |      |            |
|    |  | ("4928835") or   |           |    |      |            |
|    | anna,                                  | ("4936474") or   |           |    |      |            |
|    | u                                      | ("4941815") or   |           | i  |      |            |
|    |  | ("4948003") or   |           |    |      |            |
|    |  | ("4948002") or   |           |    |      |            |
|    |  | ("4949859") or   |           |    |      |            |
|    |  | ("4951830") or   |           |    |      |            |
|    |  | ("4957211") or   |           |    |      |            |
|    |  | ("4967920") or   |           |    |      |            |
|    | anna.                                  | ("4971212") or   |           |    |      |            |
|    |  | ("4981239") or   |           |    |      |            |
|    |  | ("4986430") or   |           |    |      |            |
|    |  | ("4988399") or   |           |    |      |            |
|    |  | ("4989740") or   |           |    |      |            |
|    | anna,                                  | ("4998988") or   |           |    |      |            |
|    | unnu                                   | ("5005720") or   |           |    |      |            |
|    | aum.                                   | ("5008066") or   |           |    |      |            |
|    |  | ("5009324") or   |           |    |      |            |
|    | unuu                                   | ("5012630") or   |           |    |      |            |
|    |  | ("5022552") or   |           |    |      |            |
|    |  | ("5064084")).PN.   |           |    | 1111 |            |

| S50 | 49 | (("4805792' | '\ or | US-PGPUB; | OR  | OFF | 2009/04/11 |
|-----|----|-------------|-------|-----------|-----|-----|------------|
| 330 | 43 | ("4813562") |       | USPAT     | Ort | OH  | 18:41      |
|     |    | ("4895266") |       | USIAI     |     |     | 10.41      |
|     |    | ("4948001") |       |           |     |     |            |
|     |    | ("4981230") |       |           |     |     |            |
|     |    | ("4987768") |       |           |     |     |            |
|     |    | , ·         |       |           |     |     |            |
|     |    | ("5330083") |       |           |     |     |            |
|     |    | ("5426912") |       |           |     |     |            |
|     |    | ("5591462") |       |           |     |     |            |
|     |    | ("6382443") |       |           |     |     |            |
|     |    | ("4275817") |       |           |     |     |            |
|     |    | ("4279350") |       |           |     |     |            |
|     |    | ("4296838") |       |           |     |     |            |
|     |    | ("4358024") |       |           |     |     |            |
|     |    | ("4360190") |       |           |     |     |            |
|     |    | ("4362198") |       |           |     |     |            |
|     |    | ("4524877") |       |           |     |     |            |
|     |    | ("4536081") |       |           |     |     |            |
|     |    | ("4601404") |       |           |     |     |            |
|     |    | ("4809884") |       |           |     |     |            |
|     |    | ("5216975") |       |           |     |     |            |
|     |    | ("5386795") |       |           |     |     |            |
|     |    | ("5577632") |       |           |     |     |            |
|     |    | ("6312364") |       |           |     |     |            |
|     |    | ("4433790") |       |           |     |     |            |
|     |    | ("4382521") |       |           |     |     |            |
|     |    | ("4830208") |       |           |     |     |            |
|     |    | ("5584903") |       |           |     |     |            |
|     |    | ("4315427") |       |           |     |     |            |
|     |    | ("4369643") |       |           |     |     |            |
|     |    | ("4396134") |       |           |     |     |            |
|     |    | ("4448318") |       |           |     |     |            |
|     |    | ("4895265") |       |           |     |     |            |
|     |    | ("4904435") |       |           |     |     |            |
|     |    | ("4941580") |       |           |     |     |            |
|     |    | ("5213223") |       |           |     |     |            |
|     |    | ("6102225") |       |           |     |     |            |
|     |    | ("6105802") |       |           |     |     |            |
|     |    | ("6123231") |       |           |     |     |            |
|     |    | ("4278173") |       |           |     |     |            |
|     |    | ("4294368") |       |           |     |     |            |
|     |    | ("4392579") |       |           |     |     |            |
|     |    | ("4550862") |       |           |     |     |            |
|     |    | ("4627810") |       |           |     |     |            |
|     |    | ("4881892") |       |           |     |     |            |
|     |    | ("5205426") |       |           |     |     |            |
|     |    | ("5295603") |       |           |     |     |            |
|     |    | ("5341949") |       |           |     |     |            |
|     |    | ("5415050") | ).PN. |           |     |     |            |
|     |    |             |       |           |     |     |            |

|     |   | ("4444325")<br>("4446984") | or |           |    |     |            |
|-----|---|----------------------------|----|-----------|----|-----|------------|
|     |   | ("4442947")                |    |           |    |     |            |
|     |   | ("4347940")                |    |           |    |     |            |
|     |   | ("4274544")                |    |           |    |     |            |
|     |   | ("4562930")                |    |           |    |     |            |
|     |   | ("4373641")                |    |           |    |     |            |
|     | *************************************** | ("6431381")                |    |           |    |     |            |
|     |   | ("6105801")                |    |           |    |     |            |
|     | ·······                                 | ("5927531")                |    |           |    |     |            |
|     |   | ("5445284")                |    |           |    |     |            |
|     |   | ("5368178")                |    |           |    |     |            |
|     |   | ("5320233")                |    |           |    |     |            |
|     |   | ("5314084")                |    |           |    |     |            |
|     | uuuu                                    | ("5016771")                |    |           |    |     |            |
|     |   | ("4852753")                |    |           |    |     |            |
|     |   | ("4613052")                |    |           |    |     |            |
|     |   | ("4403707")                |    |           |    |     |            |
|     | uuuu                                    | ("4392055")                |    |           |    |     |            |
|     |   | ("4378892")                |    |           |    |     |            |
|     |   | ("4331247")                |    |           |    |     |            |
|     | uuuu                                    | ("4303168")                |    |           |    |     |            |
|     | uuuu                                    | ("3782577")                |    |           |    |     |            |
|     | uuuu                                    | ("3828519")                |    |           |    |     |            |
|     |   | ("4938371")                | or |           |    |     |            |
|     |   | ("4756857")                |    |           |    |     |            |
|     |   | ("4991733")                | or |           |    |     |            |
|     | uuuu                                    | ("4369892")                |    |           |    |     |            |
|     |   | ("4307821")                |    |           |    |     |            |
|     |   | ("RE33265")                |    |           |    |     |            |
|     |   | ("4576296")                |    |           |    |     |            |
|     |   | ("4576298")                | or |           |    |     |            |
|     |   | ("4346812")                |    |           |    |     |            |
|     |   | ("4331249")                | or |           |    |     |            |
|     |   | ("5941422")                |    | USPAT     |    |     | 18:43      |
| : 8 | 51                                      | (("5775528"                |    | US-PGPUB; | OR | OFF | 2009/04/11 |

| L1 | 20  | (("3,836,034") or ("4,000,825") or ("4,006,837") or ("4,117,946") or ("4,298,129") or ("4,373,633") or ("4,562,930") or ("4,709,825") or ("4,919,268") or ("5,054,617") or ("5,297,688") or ("5,339,975") or ("5,447,249") or ("5,769,255") or ("6,202,872") or ("6,477,823") or ("20020175138") or ("20020190022") or ("20030051445")).PN. | US-PGPUB;<br>USPAT  | OR | OFF | 2009/04/12          |
|----|-----|---|---|----|-----|---------------------|
| L2 | 185 | northup.in.   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/04/12<br>23:58 |
| L3 | 113 | (220/788).COLS.   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF | 2009/04/13<br>00:04 |

## 4/13/09 12:08:56 AM

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